

## ABSTRACT

An image heating device having a predetermined amount of heat generation with a small electric current. The device comprises a heat-generating roller (1) having magnetism and conductivity, an exciting coil (5) opposed to the peripheral face of the heat-generating roller (1) and adapted for allowing the heat-generating roller (1) to generate heat with electromagnetic induction. The exciting coil (5) is composed of a bundle of 60 copper wires of a 0.2 mm diameter are extended in the direction of the rotation axis of the heat-generating roller (1) and they are circumferentially wound along the circumferential direction of the heat-generating roller (1). The bundled wires are arranged in close contact with each other in the circumferential direction of the heat-generating roller (1) so as to cover the upper half of the heat-generating roller (1).